Author Index

Allchin, C.R. 145
Anderson, S.S. 99

Baker, J.R. 1, 9
Barrett, T. 117
Bell, S.C. 83
Bostock, C.J. 117
Boyd, T.A. 239
Byrne, A.R. 191

Campbell, L.A. 145
Carter, S.D. 83
Cornwell, C. 67
Cornwell, H.J.C. 99
Crowther, J. 117
Curran, M.D. 45

Ernhart, C.B. 239

Forberg, S. 179

Gilmour, J. 67
Greene, T. 239
Grenfell, B.T. 15
Groen, J. 117

Haas, L. 117
Hall, A.J. 31, 145
Harwood, J. 15, 31, 133, 145
Henderson, G. 93
Hughes, D.E. 83

Kendall, M.D. 133
Kennedy, S. 45, 145, 163
Kučera, J. 191

Law, R.J. 145
Lener, J. 191

Lonergan, M.E. 15
Lyons, C. 93

Mamaev, L.V. 117
Mayer, S.J. 99
Miller, D. 57
Mitchell, S.H. 163
Mravcová, A. 191
Munro, R. 67, 99

Neal, C. 207

Odsjö, T. 179
Olsson, M. 179
Osterhaus, A.D.M.E. 117

Pekárek, J. 261
Pomeroy, P.P. 31, 99, 133, 145

Reuther, R. 219
Rima, B.K. 45
Ronald, K. 93
Ross, H. 67
Ross, H.M. 9, 99, 145

Safieh, B. 133
Skácel, F. 261
Subbarao, S.M. 117

Taylor, V.J. 83
Thompson, P.M. 57, 99
Titenko, A.M. 117
Trudgett, A. 93

Visser, I.K.G. 117

Wells, D.E. 145

Subject Index

Accumulation, biomonitoring, decomposition, heavy metals, 261
Antibodies, seals, *Phoca vitulina*, *Halichoerus grypus*, phocine distemper virus, canine distemper neutralisation test, mother and pups, 99
Arsenic, phosphorus, model ecosytem, freshwater, ecotoxicology, 219

Bacteriology, seals, phocine distemper, morbillivirus, 9
Biomonitoring, accumulation, decomposition, heavy metals, 261
Blood, vanadium, hair, neutron activation analysis, 191

Canine distemper neutralisation test, seals, *Phoca vitulina*, *Halichoerus grypus*, phocine distemper virus, antibodies, mother and pups, 99
Canine distemper virus, phocine distemper virus, morbillivirus, seals, proteins, monoclonal antibodies, 45
Caretaking environment, lead, confounding, cognitive development, environmental risk, 239
cDNA hybridisation, seal morbilliviruses, PCR, ELISA, virus neutralisation, 117
Chemistry variability, stream water, soil water, 207
Chernobyl, radiocesium, reindeer, pike, environmental specimen bank, 179
Cognitive development, lead, caretaking environment, confounding, environmental risk, 239
Common seal, *Phoca vitulina*, diseases, Scotland, 67
Common seal, *Phoca vitulina*, phocine distemper virus, mortality, Moray Firth, 57
Common seals, phocine, distemper, virus, epidemiology, model, 15
Confounding, lead, caretaking environment, cognitive development, environmental risk, 239

DDT, phocid distemper, organochlorines, polychlorinated biphenyls, seals, 145
Decomposition, accumulation, biomonitoring, heavy metals, 261
Diseases, common seal, *Phoca vitulina*, Scotland, 67
Distemper, phocine, virus, epidemiology, model, common seals, 15
Distemper, seal, epizootic, immunity, 83

Ecotoxicology, arsenic, phosphorus, model ecosytem, freshwater, 219
ELISA, cDNA hybridisation, seal morbilliviruses, PCR, virus neutralisation, 117
ELISA, seals, morbillivirus, transmission of infection, 93
Environmental risk, lead, caretaking environment, confounding, cognitive development, 239
Environmental specimen bank, radiocesium, reindeer, pike, Chernobyl, 179
Epidemiology, phocid distemper, seals, 31
Epidemiology, phocine, distemper, virus, model, common seals, 15
Epizootic, seal, distemper, immunity, 83

Freshwater, arsenic, phosphorus, model ecosytem, ecotoxicology, 219

Hair, vanadium, blood, neutron activation analysis, 191
Halichoerus grypus, seals, *Phoca vitulina*, phocine distemper virus, canine dis-

temper neutralisation test, antibodies, mother and pups, 99
Heavy metals, accumulation, biomonitoring, decomposition, 261

Immunity, seal, distemper, epizootic, 83

Lead, caretaking environment, confounding, cognitive development, environmental risk, 239

Model ecosytem, arsenic, phosphorus, freshwater, ecotoxicology, 219
Model, phocine, distemper, virus, epidemiology, common seals, 15
Monoclonal antibodies, phocine distemper virus, morbillivirus, canine distemper virus, seals, proteins, 45
Moray Firth, common seal, *Phoca vitulina*, phocine distemper virus, mortality, 57
Morbillivirus, phocine distemper virus, canine distemper virus, seals, proteins, monoclonal antibodies, 45
Morbillivirus, seals, ELISA, transmission of infection, 93
Morbillivirus, seals, phocine distemper, bacteriology, 9
Morbillivirus, seals, phocine distemper, pathology, 1
Mortality, common seal, *Phoca vitulina*, phocine distemper virus, Moray Firth, 57
Mother and pups, seals, *Phoca vitulina*, *Halichoerus grypus*, phocine distemper virus, canine distemper neutralisation test, antibodies, 99

Neutron activation analysis, vanadium, hair, blood, 191

Organochlorine, polychlorinated biphenyls, seal, *Phoca vitulina*, 163
Organochlorines, phocid distemper, polychlorinated biphenyls, DDT, seals, 145
Organochlorines, thymus, thymulin, phocid distemper virus, seals, 133

Pathology, seals, phocine distemper, morbillivirus, 1
PCR, cDNA hybridisation, seal morbilliviruses, ELISA, virus neutralisation, 117
Phoca vitulina, common seal, diseases, Scotland, 67
Phoca vitulina, common seal, phocine distemper virus, mortality, Moray Firth, 57
Phoca vitulina, organochlorine, polychlorinated biphenyls, seal, 163
Phoca vitulina, seals, *Halichoerus grypus*, phocine distemper virus, canine distemper neutralisation test, antibodies, mother and pups, 99
Phocid distemper virus, thymus, thymulin, organochlorines, seals, 133
Phocid distemper, epidemiology, seals, 31
Phocid distemper, organochlorines, polychlorinated biphenyls, DDT, seals, 145
Phocine distemper virus, common seal, *Phoca vitulina*, mortality, Moray Firth, 57
Phocine distemper virus, morbillivirus, canine distemper virus, seals, proteins, monoclonal antibodies, 45
Phocine distemper virus, seals, *Phoca vitulina*, *Halichoerus grypus*, canine distemper neutralisation test, antibodies, mother and pups, 99
Phocine distemper, seals, morbillivirus, bacteriology, 9
Phocine distemper, seals, morbillivirus, pathology, 1
Phocine, distemper, virus, epidemiology, model, common seals, 15
Phosphorus, arsenic, model ecosytem, freshwater, ecotoxicology, 219
Pike, radiocesium, reindeer, Chernobyl, environmental specimen bank, 179
Polychlorinated biphenyls, organochlorine, seal, *Phoca vitulina*, 163
Polychlorinated biphenyls, phocid distemper, organochlorines, DDT, seals, 145
Proteins, phocine distemper virus, morbillivirus, canine distemper virus, seals, monoclonal antibodies, 45

Radiocesium, reindeer, pike, Chernobyl, environmental specimen bank, 179
Reindeer, radiocesium, pike, Chernobyl, environmental specimen bank, 179

Scotland, common seal, *Phoca vitulina*, diseases, 67
Seal morbilliviruses, cDNA hybridisation, PCR, ELISA, virus neutralisation, 117
Seal, distemper, epizootic, immunity, 83
Seal, organochlorine, polychlorinated biphenyls, *Phoca vitulina*, 163
Seals, morbillivirus, ELISA, transmission of infection, 93
Seals, *Phoca vitulina*, *Halichoerus grypus*, phocine distemper virus, canine distemper neutralisation test, antibodies, mother and pups, 99
Seals, phocid distemper, epidemiology, 31
Seals, phocid distemper, organochlorines, polychlorinated biphenyls, DDT, 145
Seals, phocine distemper virus, morbillivirus, canine distemper virus, proteins, monoclonal antibodies, 45
Seals, phocine distemper, morbillivirus, bacteriology, 9
Seals, phocine distemper, morbillivirus, pathology, 1
Seals, thymus, thymulin, phocid distemper virus, organochlorines, 133
Soil water, stream water, chemistry variability, 207
Stream water, soil water, chemistry variability, 207

Thymulin, thymus, phocid distemper virus, organochlorines, seals, 133
Thymus, thymulin, phocid distemper virus, organochlorines, seals, 133
Transmission of infection, seals, morbillivirus, ELISA, 93

Vanadium, hair, blood, neutron activation analysis, 191
Virus neutralisation, cDNA hybridisation, seal morbilliviruses, PCR, ELISA, 117
Virus, phocine, distemper, epidemiology, model, common seals, 15